VERSION DESCRIPTION DOCUMENT
TMIP-J CHCS CACHE (TC2) B2 FY07 SP1
TC2 VERSION 1.0.0.8 SOFTWARE UPDATE

Submitted in Response to:

D/SIDDOMS III Contract W74V8H-04-D-0036
Delivery Order 0022
TMIP-J CHCS Caché (TC2) Development and Sustainment Services
Deliverable Items 16c and 60

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Revision History

Date	Document #	Version	Description	Author
19 Mar 2008	D3-TC2DS-3004-1	1.0	Initial Submission	Science Applications International Corporation (SAIC)

1. Scope

1.1 PROJECT IDENTIFICATION

This revision of the TC2 Version Description Document (VDD) was developed by Science Application International Corporation (SAIC) for the Theater Medical Information Program (TMIP-J) Program Management Office (PMO). This effort is part of the TMIP-J integration described as follows:

Component	TC2
Feature	Change Package updates associated with Block 2 Fiscal Year 07 Service Pack 1 (B2 FY07 SP1) for TC2 1.0.0.8. software release.
Block	B2 FY07 SP1
Document Owner	Science Applications International Corporation (SAIC)
Date	19 March 2008
Document Version	1.0
Status	Initial Submission
Use Case Dependency	All Change Packages prior to CP 322 have been installed

2. System Overview

TMIP-J CHCS CACHÉ (TC2) is the theater version of the Garrison Composite Health Care System (CHCS) system used by more than 104 medical facilities worldwide. Medical units with varying capabilities provide health care in theater and use TC2 to document inpatient health care. While CHCS and TC2 have the same baseline, medical units manage and use them in slightly different ways; however, all patient care must be documented and be added to the patient's longitudinal medical record. Currently, facilities use the Radiology, Laboratory, and Pharmacy modules in TC2 in theater to provide ancillary support services. TC2 can provide full operations support to TC2 users in theater. This document identifies the current approved TC2 configuration for the Windows 2003 Server architecture.

2.1 REFERENCED DOCUMENTS

Table 1 contains a listing of the documentation that is being provided with the TC2 Build V1.0.0.8, which will be incorporated into TMIP-J Block 2 FY07 Service Pack 1. This TC2 release contains numerous Change Packages (CPs) and Special Software (SS) packages in order to keep the TC2 baseline up to date and consistent with CHCS sites. These packages contain software defect correction, software design enhancements and standard table data updates developed for CHCS sites. There are Dynamic Object-Oriented Requirements System (DOORS)

Requirements that pertain to the Clinical Information Technology Program Office (CITPO)-related software enhancement projects contained within the Change Packages, but there are no TMIP-J-specific DOORS requirements, or TeamTracker numbers that pertain to the changes. The Release Notes that are provided for reference were funded and developed for CHCS sites under a separate contract.

Table 1: Referenced Documents

Title	Document Number	Date
TC2 1.0.0.8 Installation Guide	SAIC D/SIDDSOMS III Doc. D3-TC2DS-5103	19 March 2008
Release Notes: User Account Creation (UAC) Process	SAIC Doc. INT-UACA-6000	19 Oct 2007
Release Notes: National Drug Code (NDC) Rate Table Update – FY 2008, Version 1.0	SAIC GSA Doc. GS-CLS6-6076	18 Dec 2007
Release Notes: Zip Code Data Update Fiscal Year (FY) 2008, Version 1.0	SAIC GSA Doc. GS-CLS6-6077	21 December 2007
Release Notes: Unit Identification Code (UIC) Fiscal Year (FY) 2008, Version 1.0	SAIC GSA Doc. GS-CLS6-6077	21 December 2007
Release Notes: Department Of Defense (DOD) Laboratory (LAB) Test File Fiscal Year (FY) 2008, Version 1.0 Data Update	SAIC GSA Doc. GS-CLS6-6079	18 Jan 2008
Release Notes: Current Procedural Terminology (CPT) Fiscal Year (FY) 2008, Version 1.0	SAIC GSA Doc. GS-CLS6-6075	10 December 2007
Release Notes: Defense Medical Information System Identification (DMIS ID) Fiscal Year (FY) 2008, Version 5.0	SAIC GSA Doc. GS-CLS6-6080	08 January 2008
Release Notes: Composite Health Care System (CHCS) - First Databank Enhanced (FDBE) Update	SAIC GSA Doc. GS-CLS6-6000-27	25 January 2008

2.2 SYSTEM SPECIAL SOFTWARE

This category contains all system software (i.e., software designed to facilitate the operation and maintenance of a computer system and its associated programs).

1. Microsoft Windows Server 2003 R2
2. InterSystems Cache 5.2
3. Symantec Antivirus
4. Computer Associates BrightStor ArcServe Backup r11.5 SP2
5. Hewlett Packard System Tools software
6. Expeditionary Framework (EF) Administration software

2.3 UTILITY SPECIAL SOFTWARE

This category contains utility software deployed by SAIC and used in the operational environment to perform specific ancillary or support functions.

AXCH-SY_LOAD-1.5

2.4 CHCS APPLICATION SOFTWARE

CHCS-AP_MAIN_4.630

2.5 COMPUTER SOFTWARE CONFIGURATION ITEMS (CSCIs)

This category contains Government designated CSCIs.

CHCS Tools (CI No. 10013)	TOOLS
Patient Administration (CI No. 10059)	PAD
Patient Appointing & Scheduling (CI No. 10060)	PAS
Laboratory (CI No. 10057)	LAB
Pharmacy (CI No. 10061)	PHR
Radiology (CI No. 10062)	RAD
Clinical (CI No. 10058)	CLN
Clinical Dietetics (CI No. 10056)	DTS
System (CI No. 10073)	SYS
Medical Services Accounting (CI No. 30160)	MSA
Data Base (CI No. 10055)	DB
Clinical Facility Quality Assurance (CI No. 30161)	FQA
Medical Record Tracking (CI No. 40162)	MRT
Managed Care Program (CI No. 40163)	MCP

3. Version Description

The software and documentation that make up this delivery are described in detail in the following sections.

3.1 MEDIA INVENTORY

Table 2 contains a high-level listing of the media, which constitutes the TC2 Build V1.0.0.8, which will be incorporated into TMIP-J Block 2 Fiscal Year 07 Service Pack 1.

Table 2: TC2 V1.0.0.8 Media

Media	Media Contents
Software DVD – TC2 V1.0.0.8	Software Package files: CHCS_CP_P0323_4630 CHCS_CP_P0324_4630 CHCS_CP_00325_4630 CHCS_CP_P0326_4630 CHCS_SS_34962_4630 CHCS-SS_DODLAB_FY2008_4630-1.0 CHCS-SS_UIC_FY2008_4630-1.0 CHCS-SS_ZIPCODE_FY2008_4630-1.0 CHCS-SS_NDCR_FY2008_4630-1.0 CHCS-SS_DMIS_FY2008_4630-5.0 CHCS-SS_CPT_FY2008_4630-1.0 CHCS-SS_FDBE_2008_4630-2.0 CHCS_SS_TM002_4630-1.0
Documentation CD - TC2 V1.0.0.8	Installation Instructions for Build TC2 V1.0.0.8 Functional Release Notes for the CPs and Data Updates in Build TC2 V1.0.0.8 Version Description Document (VDD) for TMIP-J CHCS Caché (TC2) B2 Fy07 Sp1 TC2 Version 1.0.0.8 Software Update

4. Inventory of Incorporated Changes

Table 3 identifies the contents of the Software Package files provided for this build. Descriptions of the content are provided, as well as the title of any associated Release Notes that were developed for the package.

Table 3: Inventory of Incorporated Changes

CHCS Software Package Name	Package Title	Description	Release Notes Title
Change Package 323 (CHCS_CP_P0323_4630)	USER ACCOUNT CREATION (UAC) PROJECT	The purpose of the User Account Creation (UAC) project is to simplify the process of account creation between CHCS and AHLTA. CHCS will be enhanced to reduce the amount of work done by site personnel, help to increase productivity, and maintain data integrity on the CHCS database. The changes will also aid in the process of account creation in AHLTA. With this project, the User file will become the main file from which AHLTA accounts get the data. If a user is also a provider, any information that is needed in the provider's record can be extracted since there is a pointer relationship from the user's record to the provider's. CHCS will no longer include the Associated Clinics multiple, Active AHLTA Account field, and E-mail Address field and their associated data in the Provider file. The Associated Clinics multiple and data will be removed from the User file. A conversion will move the data values currently stored in the E-mail Address field (#8005.2) in the Provider file (#6) to the E-mail Address field (#10.05) in the User file (#3). CHCS will provide new triggers to call M/Objects. CHCS will continue to ensure that the Provider and User files are in synch for SSN, gender, and DOB based upon edits to these fields in either the User or Provider files.	Release Notes: User Account Creation (UAC) Process.
Change Package 324 CHCS_CP_P0324_4630)	NEWLY BILLABLE ENCOUNTERS PROJECT	The scope of this project is to support retroactive TPOCS billing by identifying potentially billable events that were not previously billed. When OHI is added from DEERS OHI query or locally, a query will be performed to determine if	Release Notes are not available for this CP.

CHCS Software Package Name	Package Title	Description	Release Notes Title
		the patient had any retroactive encounters. The query will be based on the policy effective date and will not exceed the past 2 years (24 months). The query will check for encounters and ancillary events meeting the search criteria that were not previously sent to TPOCS, MSA or DD7A. Encounters and events that were previously sent to any of these billing systems in the MHS will be excluded. Encounters and ancillary events not previously billed that can now be linked to a valid OHI policy on the date of service will be added to the holding file.	
Change Package 325 (CHCS_CP_00325_4630)	This package includes: • Maintenance Quick Fixes (QFs) • TRICARE RESERVE SELECT ENHANCEMENTS (TRSEZ) Project • ICDB4 Project	**Maintenance Quick Fixes (QFs):** SIR NUMBER: 32857 TITLE: SYSTEM ERROR WHEN CANCELLING INTERWARD TRANSFER DESCRIPTION: A system error is encountered when the user cancels or deletes an interward transfer. The error is: %DSM-E-UNDEF, undefined variable SDOPTIEN-DSM-I-ECODE, MUMPS error code: M6 %DSM-I-ATLABEL, CANAPPT+12 ^SDRNDENT:1 .DADMAPI^KGADSEOD(SDOPTIEN) SIR Number: 34373 TITLE: CHCS ORDER ENTRY ACCEPTS LAB ORDERS WITHOUT REQUIRED COMMENTS DESCRIPTION: CHCS order entry accepts orders submitted by	This CP contains maintenance QFs. Release Notes are not available for this CP.

CHCS Software Package Name	Package Title	Description	Release Notes Title
		AHLTA without responses to required comments. CHCS should reject these orders and send an error message back to AHLTA. SIR NUMBER: 34466 TITLE: CCE, DELETE HL7 ADT/24 MESSAGE SEGMENTS TO CCE DESCRIPTION: CHCS currently sends HL7 ADT/A24 messages to CCE as notification of a patient merge. This non-standard HL7 process requires manual workarounds and causes interface problems. The HL7 ADT/A24 messages should be used as a notification of a patient merge and not used to merge the patient records. The HL7 ADT/A30 message, which is sent by CHCS to CCE, contains the information necessary to merge the patient records. To alleviate the interface problems caused by receipt of the HL7 ADT/A24 messages, the CCE contractor has requested that CHCS "drop" the A24 messages currently sent in the CCE interface. SIR NUMBER: 34683 TITLE: DA-NPI: CCQAS: SYSTEM ERROR OCCURS WHEN NO RECORD FOUND IS RETURNED DESCRIPTION: When an error message is returned via the CCQAS interface that indicates that no record is	

CHCS Software Package Name	Package Title	Description	Release Notes Title
		found, CHCS attempts to send back an acknowledgement message but it creates the following system error instead: "APPLACK+4^DAPROCQ6:1, %DSM-E-NULLSUBSCR, Null subscript" SIR NUMBER: 34766 TITLE: CAO: CANCEL TEST MESSAGE CAN HAVE EXTRA OBX SEGMENTS DESCRIPTION: When an Accession is cancelled at a performing lab, there is an HL7 result message sent to the submitting lab with results of 'PL Cancel.' If the PL had cancelled another accession earlier, the tests from that accession may still be around and then the cancel message will contain OBX segments for those tests as well as the tests on the accession. This was reported by the VA. It wasn't causing any problems for them; they ignore the extra OBX segments. It is now being reported by CHCS sites. It may cause a system error there if any of the extra segments are for a test that is not defined at the submitting lab. The error is: BLD+84^LRSLRES7 SIR NUMBER: 34788 TITLE: PHR ALLOW TYPE 1 NPI ENTRY VIA THE HCM MENU DESCRIPTION: Health Care Provider Maintenance will be modified to include a new field to allow for the	

CHCS Software Package Name	Package Title	Description	Release Notes Title
		entering of the Provider's NPI ID. SIR NUMBER: 34802 TITLE: DA-NPI: OUTSIDE PROVIDER ADDED TO NPI ADHOC DESCRIPTION: The existing NPI ADHOC Report only searches and displays Inside Provider data. Add the search and display for Outside Providers to this report. SIR NUMBER: 34803 TITLE: DA-PS: PHR ALLOW TYPE 1 NPI ENTRY VIA THE HCM MENU DESCRIPTION: Refer to SIR 34788 for description. SIR NUMBER: 34839 TITLE: PAS: ADD HL7& MSG TRIGGER TO PAS PMSC PROVIDER CHANGE OPTION DESCRIPTION: This software change adds an HL7 message trigger to the PAS PMSC option that will update AHLTA when provider-scheduled appointments have been moved from one provider to another while the appointment is still pending.	

CHCS Software Package Name	Package Title	Description	Release Notes Title
		SIR NUMBER: 34890 TITLE: ADM:T-CON E&M AND CPT CY08 BUSINESS RULE REQUIREMENT CHANGE DESCRIPTION: This software change addresses the CY 2008 CPT/HCPCS update that will require a change in Evaluation and Management codes used by physicians for telephone consults in ADM. It will also change the ability for both physician and non-physician providers to use 99499 Evaluation and Management codes for telephone consults as well as entry of CPT/HCPCS procedure codes for telephone consult ADM encounters. The changes will support multiple year coding. **TRICARE RESERVE SELECT ENHANCEMENTS (TRSEZ) Project:** CONSOLIDATED PACKAGE: CHCS_SS_TRSEZ_4630 PACKAGE TITLE: TRICARE RESERVE SELECT ENHANCEMENTS PROJECT (CPET+) - DESIGN SIRS - CONSOLIDATED PACKAGE SIR NUMBER: 34828 TITLE: TRS - II - ADD NEW TRS HCDP CODES DESCRIPTION: To support updates to the Health Care Delivery Codes for Tricare Reserve Select (TRS) project, two new TRS codes must be added to the NED	

CHCS Software Package Name	Package Title	Description	Release Notes Title

		HCDP COVERAGE CODE file.
		
		The two new HCDP codes are:
		
		  * 413 TRICARE RESERVE SELECT MEMBER ONLY COVERAGE
		
		  * 414 TRICARE RESERVE SELECT MEMBER AND FAMILY COVERAGE
		
		SIR NUMBER: 34829
		
		TITLE: TRS - II - ADD NEW CODES TO APPOINTING LOGIC
		
		DESCRIPTION:
		
		Two new HCDP codes have been added to the NED HCDP Coverage Code file. These codes must be included in the patient appointing & booking options, mapping to ATC and detail codes available for booking appointments.
		
		In addition, the ATC reports must be modified to track these new codes during reporting.
		
		In the DEERS Eligibility Request option, these new codes will now be displayed, as appropriate, on the HCDP page.
		
		SIR NUMBER: 34841
		
		TITLE: DISPLAY ALL THE HCDP CODES RETURN FROM DEERS
		
		DESCRIPTION:
		
		Currently, the new HCDP code (414) is not being displayed during the DEERS
		
		Eligibility Request. Future codes should appear	

CHCS Software Package Name	Package Title	Description	Release Notes Title
		on the HCDP page of the DEERS response. **ICDB4 Project:** TIF#: EXT_ICDB4_BASELINE$TE000 DESCRIPTION: The enhancements to the ICDB interface with CHCS since the last baselining effort in early 2007 include the addition of the Beneficiary Category to the NED Patient file extract, the addition of Pseudo Patient and Who Entered Patient to the Patient historical extract, and the new extract to retrieve the Pseudo Patient and Who Entered Patient on a weekly basis. The new extract is in the scheduled option KW ICDB PATIENT ADD INFO.	
Change Package 326 (CHCS_CP_P0326_4630) (CHCS_SS_TM002_4630-1.0 contains the modification to disable this functionality)	CACHE LICENSE COUNTING PROJECT	Currently Cache uses an "automatic" method for determining the number of Cache licenses being utilized which may not result in an accurate Cache license usage count for a site. The main determining value used by Cache is the IP address associated with the terminal input device owned by the process. Using this method may lead to counting a user more than once, if the user is simultaneously connected to CHCS (via a telnet or SSH session), using AHLTA Order Entry, and/or using the EWS-R interface. To better match the possible usages of Cache with the intent of the Licensing Terms and	Release Notes are not available for this CP. The contents of this CP are not Windows compatible. An SS package was created (CHCS_SS_TM002_4630-1.0) to disable this functionality for TMIP sites.

CHCS Software Package Name	Package Title	Description	Release Notes Title
		Conditions (Ts & Cs) - that is, charging one human user with one license unit - it is necessary to use the "explicit" method of license counting. Each user of CHCS or process with a persistent network connection needs to identify itself uniquely to Cache so it can be counted correctly. The coding changes associated with this project will not have any impact on users.	
CHCS_SS_34962_4630	Special Software package with Maintenance Quick Fix to resolve issue found with CP 325.	SIR: 34962 TITLE: PAS: ERROR WHEN ADM DOES AUTO CHECK-IN - An Error DATACHG+2^SDGISU1:1 is generated when a user attempts to create an ADM encounter for a pending appointment using CHCS functionality. - This error was introduced with CP 325 when a new parameter was added to a function called by Provider change. - Users are no longer able to create encounters for pending appointments using the CHCS ADM functionality. - This issue will have impacts to clinics not using AHLTA for encounter creation and will not allow the functionality to be used in case of AHLTA system crash or loss of connectivity as a data collection back-up. - This function needs to be modified to make the parameter optional so there is no change to existing functionality that also calls this function.	This CP contains a maintenance QFs. Release Notes are not available for this SS.
CHCS-SS_DODLAB_FY2008_4630-	Data Update – DOD LAB Test Data	DoD LAB Test Data Update v1.0 for Fiscal Year 2008	Release Notes: Department Of Defense (DOD) Laboratory

CHCS Software Package Name	Package Title	Description	Release Notes Title
1.0			(LAB) Test File Fiscal Year (FY) 2008, Version 1.0 Data Update.
CHCS-SS_UIC_FY2008_4630-1.0	Data Update – UIC Codes	UIC v1.0 Data Update (SS) package for Fiscal Year 2008	Release Notes: Unit Identification Code (UIC) Fiscal Year (FY) 2008, Version 1.0.
CHCS-SS_ZIPCODE_FY2008_4630-1.0	Data Update – Zip Codes	ZIPCODE Data Update V1.0 for Fiscal Year 2008	Release Notes: Zip Code Data Update Fiscal Year (FY) 2008, Version 1.0.
CHCS-SS_FDBE_2008_4630-2.0	Data Update – FDB	First DataBank data update for the Fiscal Year 2008 V2.0	Release Notes: Composite Health Care System (CHCS) - First Databank Enhanced (FDBE) Update.
CHCS-SS_NDCR_FY2008_4630-1.0	Data Update – NDC Rates	National Drug Code (NDC) Rate Table data update for the Fiscal Year 2008 V1.0	Release Notes: National Drug Code (NDC) Rate Table Update – FY 2008, Version 1.0.
CHCS-SS_DMIS_FY2008_4630-5.0	Data Update – DMIS ID Codes	DMIS ID data update for the Fiscal Year 2008 V5.0	Release Notes: Defense Medical Information System Identification (DMIS ID) Fiscal Year (FY) 2008, Version 5.0.
CHCS-SS_CPT_FY2008_4630-1.0	Data Update – CPT Codes	Current Procedural Terminology (CPT) data update for the Fiscal Year 2008 V1.0	Release Notes: Current Procedural Terminology (CPT) Fiscal Year (FY) 2008, Version 1.0.

5. Adaptation Data

There is no known unique-to-site adaptation data.

6. Known Issues and Possible Problems

No problems and errors are present with this TC2 release that affects the functionality and interfaces typically used at TMIP sites.

7. Installation Instructions

Refer to the TC2 1.0.0.8 Installation Guide.

8. Miscellaneous

Not applicable.

9. Acronyms and Abbreviations

Table 4: Acronyms/Abbreviations

Acronym/Abbreviation	Definition
B2 FY07 SP1	Block 2 Fiscal Year 07 Service Pack 1
CHCS	Composite Health Care System
CITPO	Clinical Information Technology Program Office
CPs	Change Packages
CPT	Current Procedural Terminology
CSCI	Computer Software Configuration Items
DMIS	Defense Medical Information System Identification
DOD	Department of Defense
DOORS	Dynamic Object-Oriented Requirements System
EF	Expeditionary Framework
FDBE	First Databank Enhanced
FY	Fiscal Year
LAB	Laboratory
NDC	National Drug Code
PMO	Program Management Office
QFs	Quick Fixes
SAIC	Science Applications International Corporation
SIRs	System Incident Reports
SS	Special Software
TC2	TMIP-J CHCS Caché
TIF	Testing Incident File
TMIP-J	Theater Medical Information Program-Joint
TT	TeamTrack

Acronym/Abbreviation	Definition
UAC	User Account Creation
UIC	Unit Identification Code
VDD	Version Description Document